IN THE CLAIMS

This listing of claims replaces all prior listings:

1. (currently amended) A method of manufacturing carbon nanotubes comprising the steps of:

arranging a catalyst on an inner ~~face~~ surface of a first electrode having a hollow;

arranging a second electrode so that an end thereof is positioned inside the hollow of the first electrode; and

generating arc discharge between the first electrode and the second electrode in a depressurized atmosphere including only inert gas to produce double-walled carbon nanotubes,

wherein,

the catalyst includes particles composed of metal sulfide.

2-4. (canceled)

5. (previously presented) The method of claim 1, wherein the arc discharge is generated in the depressurized atmosphere of helium gas, nitrogen gas, or argon gas.

6. (currently amended) The method of claim 1, wherein the first electrode is a ~~bowl-like~~ bow shaped electrode and the second electrode is a ~~rod-like~~ rod shaped electrode.

7. (previously presented) The method of claim 1, wherein while the arc discharge is generated between the first electrode and the second electrode, the double-walled carbon nanotubes are continuously produced.

8-15. (canceled)

16. (new) The method of claim 1, wherein the metal sulfide includes iron sulfide (FeS).

17. (new) The method of claim 16, wherein the metal sulfide includes nickel sulfide (NiS), cobalt sulfide (CoS), and iron sulfide (FeS) at a ratio of 1:1:1.

18. (new) The method of claim 1, wherein an amount of the produced double-walled carbon nanotubes is substantially larger than that of single-walled carbon nanotubes.